

AMENDMENT TO THE CLAIMS

Please cancel claims 1-20.

Please add the following new claims 21-39.

21. (New) Data transmission method in a radio communication network comprising:

- at least one base station; and
- at least one terminal adapted to individually and periodically transmit binary information on an uplink radio channel (TPC), to at least one of the said base stations called the first base station,

wherein the method comprises:

- transmitting first information through the radio channel for controlling the transmission power of the said first base station; and
- transmitting second information through the radio channel designed to a purpose other than controlling the power of the said first base station.

22. (New) Method according to claim 21, wherein the said first base station manages at least one mobile telecommunication network cell.

23. (New) Method according to claim 21, wherein the said first base station sends at least one part of the said received second information to a communication equipment capable of transmitting data to the said terminal, and wherein the said communication equipment processes the said at least one part of the said second information.

24. (New) Method according to claim 23, wherein when the said communication equipment is in communication with the said terminal, it adjusts the data radio transmission power to be sent to the said terminal as a function of the result of the

said processing.

25. (New) Method according to claim 23, wherein the said communication equipment communicates with the said terminal on a single directional channel used to transmit data from the said communication equipment to the said terminal.

26. (New) Method according to claim 23, wherein the said communication equipment is adapted to sending data using a multiple carrier modulation (OFDM).

27. (New) Method according to claim 23, wherein the said communication equipment supports communications according to a protocol compatible with the HIPERLAN/2 standard and / or the IEEE 802.11 standard.

28. (New) Method according to claim 23, wherein the said equipment is a base station distinct from the said first base station.

29. (New) Method according to claim 23, wherein the said equipment is a terminal.

30. (New) Method according to claim 21, wherein the said other purpose comprises controlling the transmission power of a base station distinct from the said first base station.

31. (New) Method according to claim 21, wherein the said other purpose includes acknowledgement of data transmitted by a base station to the said terminal on a radio channel, the said acknowledgement indicating whether or not data were correctly received by the said terminal.

32. (New) Method according to claim 21, wherein the said other purpose is one of the purposes selected from the group consisting of:

- data transmissions to a base station distinct from the said first base station;
- management of time slaving between a base station and the said terminal;
- management of frequency slaving between a base station and the said terminal; and
- control of the data flow sent to and / or from the said terminal.

33. (New) Method according to claim 21, wherein bit positions of the said first and second information are predetermined.

34. (New) Method according to claim 21, wherein bit positions of the said first and second information are determined dynamically.

35. (New) Method according to claim 21, wherein the said second information represents not more than 10% of the said elementary information.

36. (New) Method according to claim 35, wherein the said second information represents not more than 1% of the said binary information.

37. (New) Terminal adapted to individually and periodically transmit binary information on an uplink radio channel (TPC) to a base station called the first base station in a radio communication network, wherein the terminal is adapted to:

- distinguish and insert among the said binary information:
- first information for controlling the transmission

- power of the said first base station; and
- second information designed to a purpose other than the said control of the power of the said first base station.

38. (New) A base station in a cellular network, adapted to individually and periodically receive binary information on an uplink radio channel (TPC) from a terminal, wherein the base station is adapted to distinguish and extract among the said binary information:

- first information for controlling the transmission power of the said first base station; and
- second information designed to a purpose other than controlling the power of the said first base station.

39. (New) A signal sent by a terminal to a base station in a radio communication network and carrying binary information individually and periodically transmitted by the said terminal to the said base station, on an uplink radio channel (TPC), wherein the said binary information includes:

- first information for controlling the transmission power of the said base station; and
- second information designed to a purpose other than said control of the power of the said base station.